

WHAT IS CLAIMED IS:

1. A multiple registration method of using the same account for registering different devices to a digital right certificate (DRC) server, enabling a user to register a first device to the DRC server in order to order and download a digital content through a network, wherein the user uses a first reader to open the digital content, the method comprising:

A. installing the first reader into the first device to build connection with the DRC server for further registration;

B. the DRC server generating a user identity (UID), encrypting the UID, and then transmitting the UID to the first reader, wherein the first reader stores the UID and a first device identity code in an encrypted first right record file, and the UID is capable of being retrieved from the first reader; and

C. the first reader transmitting the first device identity code to the DRC server,

wherein when the first reader is initiated, the first reader checks if the first right record file has been changed, and then checks if the first device identity code in the first right record file is correct.

2. The method according to claim 1, wherein the method between the step A and step B further comprises:

A1. the DRC server performing examination of registration of the first device.

3. The method according to claim 1, wherein the method between the step B and step C further comprises:

B1. the first reader asking if the user agrees to transmit the first device identity code to the DRC server; if yes, proceeding to step C; otherwise, ending this method.

5 4. The method according to claim 1, wherein when the first reader downloads the digital content, the first reader also downloads a digital right coupon and stores the coupon in the first right record file, wherein the digital right coupon records expiry date of the UID to use the digital content and a password of the encrypted digital content.

10 5. The method according to claim 4, wherein the digital right coupon further comprises a field for an owner identity, a field for a serial number of a digital content, a field for allowable times for downloading, a field for expiry date, and a field for password of encrypted digital content, wherein value of the field for an owner identity is the UID, the field for a serial number of a digital content is a unique serial
15 number of the digital content, the field of allowable times for downloading is for recording times for the UID being authorized to download the digital content, the field of expiry date is for recording the expired date of the UID being authorized to use the digital content, and the field of password of the encrypted digital content is for recording the password for the UID to use the first reader to open the digital content.

20 6. The method according to claim 1, further comprises:

d. installing a second reader in a second device, and inputting the UID into the second reader, wherein, the second reader stores the UID and a second device identity code in an encrypted second right record file.

e. the second reader transmitting the UID and the second device identity code to the DRC server, and

f. the DRC server transmitting digital right coupons of all purchased digital contents by the user to the second reader, and the second reader storing the digital right coupons in the second right record file.

7. The method according to claim 6, wherein the method between the step D and step E further comprises:

D1. the second reader asking if the user agrees to transmit the second device identity code to the DRC server; if yes, proceeding to the step E; otherwise, ending the method.

8. The method according to claim 6, wherein the method between the step E and step F further comprises:

E1. the DRC server performing examination of registration of the second device.

9. The method according to claim 6, wherein the digital right coupons of all purchased digital contents are for recording expiry date of the UID to use the

corresponding digital content and a password of the encrypted digital content, and the digital right coupons are stored in the second right record file.

10. The method according to claim 6, wherein the DRC server further comprises a digital right database for recording the UID, the first device identity code, and the second device identity code.

11. A multiple registration system for a user to use the same account for registering different devices to further order and download a digital content through a network, the system comprising:

a first device, comprising a first reader and a first device identity code; and

a digital right certificate (DRC) server, for providing the first device to apply for the account when the first device builds connection with the DRC server through the network;

wherein the system uses the first reader to encrypt and store the account and the first device identity code in a first right record file, and then to transmit the account and the first device identity code to the DRC server for completing the registration, and when the first reader is initiated, the first reader checks if the first right record file has been changed, and then checks if the first device identity code in the first right record file is correct.

12. The system according to claim 11, wherein when the first reader downloads the digital content, the first reader also downloads a digital right coupon corresponding

to the digital content, and the digital right coupon comprises:

a field for an owner identity for recording the UID;

a field for a serial number of a digital content for recording the unique serial number of the digital content;

5 a field for allowable times for downloading for recording times for the UID being authorized to download the digital content;

a field for expiry date for recording the expired date of the UID being authorized to use the digital content, and

a field for password of encrypted digital content for recording a password for the first reader to open the digital content;

wherein while the first reader opens the digital content, the first reader firstly checks the digital right coupon if the expiry date of the digital content is overdue according to the filed of the expiry date, and then the first reader retrieves the password from the filed of the password of encrypted digital content in order to open the digital content.

13. The system according to claim 12, wherein the digital right coupon is stored in the first right record file.

14. The system according to claim 11, the system further comprises a

second device including a second reader and a second device identity code, enabling the user to register the second device connecting to through the network, wherein the user retrieves the account from the first reader and inputs the account into the second reader, the second reader encrypts and stores the account and the second device identity code in a second right record file and also transmits the account and the second device identity code to the DRC server for completing the registration, and when the second reader is initiated, the second reader checks if the second right record file has been modified, and then check if the second device identity code in the second right record file is correct .

15. The system according to claim 14, wherein after the second device completes the registration, the user uses the second reader to download digital right coupons of all purchased digital contents by the user from the DRC server, and each of the digital right coupons individually comprises:

a field for an owner identity for recording the account;

a field for a serial number of a digital content for recording the unique serial number of the related digital content;

a field for allowable times for downloading for recording times for the account being authorized to download the related digital content;

a field for expiry date for recording the expired date for the account being authorized to use the related digital content, and

a field for password of an encrypted digital content for recording a password for the second reader to open the corresponding digital content;

wherein while the second reader opens a digital content, the second reader firstly checks a digital right coupon of the digital content if the expiry date of the digital content is overdue according to the filed of the expiry date, and then the second reader retrieves a password of the digital content from the filed of the password of digital content in order to open the digital content.

16. The system according to claim 15, wherein the digital right coupon is stored in the second right record file.

17. The system according to claim 11, wherein, the DRC server further comprises a digital right database for storing the UID and the first device identity code.

18. A method for a user to use the same account and readers installed in a plurality of devices to open a digital content downloaded from a DRC (Digital Right Certificate) server, the method comprising:

A. connecting and registering a first device to the DRC server, and downloading the digital content;

B. the DRC server generating a user identity (UID), encrypting the UID, and then transmitting the UID to the reader of the first device, wherein the reader of the first device stores the UID and a first device identity code in a first right record file, and transmits the first device identity code to the DRC server; and

C. inputting the UID to a second device, the reader of the second device stores the UID and a second device identity code to a second right record file, and transmits the second device identity code to the DRC server;

wherein when any reader of the first or the second device is initiated, the reader
5 checks if the right record file of the present device has been modified, and then check if the corresponding device identity code matches the device identity code of the present device.

19. The method according to claim 18, wherein when the reader downloads the digital content, the reader download a digital right coupon corresponding to the digital content, and the digital right coupon comprises:

a field for an owner identity for recording the UID;

a field for a serial number of a digital content for recording a unique serial number of the digital content;

a field for allowable times for downloading for recording times for the UID
15 being authorized to download the digital content;

a field for expiry date for recording the expired date of the UID being authorized to use the digital content, and a field for password of a encrypted digital content for recording a password for the reader to open the digital content;

wherein while the reader opens the digital content, the reader firstly checks the